



SEQUENCE LISTING

#14  
RECEIVED

APR 23 2001

TECH CENTER 1600/2900

<110> Gruber, Veronique  
Bournat, Philippe  
Merot, Bertrand

<120> Pancreatic Lipases and/or Recombinant Colipases and Derived  
Polypeptides Produced by Plants, Methods for Obtaining Them and Use  
Thereof

<130> Seq. Nos. 1-16 for 1149-2

<140> 09/284,697

<141> 1999-07-06

<150> PCT/FR97/01862

<151> 1997-10-17

<160> 16

<170> PatentIn version 3.0

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<211> 69

<212> DNA

<213> Artificial Sequence

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<223> Nucleotide sequence encoding a signal peptide of Sporamine A of sweet  
potato

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<221> misc\_feature

<222> (1)..(69)

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potato

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<221> CDS

<222> (1)..(69)

<300>

<301> Lowe, M.E. et al.

<302> Cloning and Characterization of Human Pancreatic Lipase cDNA

<303> Journal of Biological Chemistry

<304> 264

<305> 33

<306> 20042-20048

<307> 1989-11-25

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Met Lys Ala Phe Thr Leu Ala Leu Phe Leu Ala Leu Ser Leu Tyr Leu  
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ctg ccc aat cca gcc cat tcc  
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Leu Pro Asn Pro Ala His Ser  
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Leu Pro Asn Pro Ala His Ser  
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<300>  
 <301> Lowe, M.E., et al.  
 <302> Cloning and Characterization of Human Pancreatic Lipase cDNA  
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 <304> 264  
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 <307> 1989-11-25

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Met Lys Ala Phe Thr Leu Ala Leu Phe Leu Ala Leu Ser Leu Tyr Leu  
1 5 10 15

ctg ccc aat cca gcc cat tcc agg ttc aat ccc atc cgc ctc ccc acc  
96

Leu Pro Asn Pro Ala His Ser Arg Phe Asn Pro Ile Arg Leu Pro Thr  
20 25 30

aca cac gaa ccc gcc  
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Thr His Glu Pro Ala  
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<223> Signal peptide of Rabbit Gastic Lipase

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<221> CDS

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<223> The cleavage sequence between two sequences coding for PSHPL and HPL  
is Gly-Lys

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1 5 10 15

aca cat ggt ctt ttt gga  
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Thr His Gly Leu Phe Gly  
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<223> Nucleotide sequence encoding a signal peptide of PSHPCOL

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<223> The cleavage sequence between the two sequences coding for PSHPCOL and HPCOL is Ala-Lys

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gca  
51

Ala

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<212> PRT

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<223> Signal peptide of PSHPCOL

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Ala

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<223> Oligodeoxynucleotide

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<222> (1)..(32)  
<223> Oligodeoxynucleotide used to construct the adapter carrying  
restriction sites PacI, Ascl, MluI and HpaI

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<210> 14  
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<212> DNA  
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<223> Oligodeoxynucleotide

<220>  
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<223> Oligodeoxynucleotide used to construct the adapter carrying the  
restriction sites PacI, Ascl, MluI and HpaI

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<212> DNA  
<213> Homo sapiens

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<223> Nucleic sequence from human pancreatic colipase

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tgcatgaata gtgccagtg taagagcaat tgctgccagc attcaagtgc gctgggcctg	180
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gactgccac ccaactccac acctagccca gaatgctgta ggccactagg cgcaggggca	420
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<212> DNA

<213> Homo sapiens

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<221> misc\_feature

<222> (1)..(1471)

<223> Nucleic acid sequence from human pancreatic lipase

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